/FW/6

# CRF Errors Edited by the STIC Systems Branch

| ial Number: _                         | 09/993,2        |                   |                                       | Date: 10/8      |
|---------------------------------------|-----------------|-------------------|---------------------------------------|-----------------|
| _ Realigned<br>text "wra <sub>l</sub> | nucleic acid/ar | mino acid numb    | ers/text in cases wh                  | ere the sequenc |
| _ Corrected                           | I the SEQ ID N  | O. Sequence nu    | mbers edited were:                    |                 |
|                                       | ·               |                   | · · · · · · · · · · · · · · · · · · · | <del>-</del>    |
| _ Inserted on NO's ed                 |                 | nucleic number a  | nt the end of a nucle                 | ic line. SEQ ID |
|                                       |                 |                   |                                       | ·               |
| Deleted:                              | invalid beg     | inning/end-of-fi  | le text ; page ni                     | ımbers          |
| _ Inserted i                          | mandatory head  | dings/numeric id  | dentifiers, specifical                | ly:             |
| Moved re                              | sponses to sam  | e line as heading | g/numeric identifier                  | , specifically: |
| Other:                                |                 |                   |                                       |                 |
| <u> </u>                              | <u> </u>        |                   |                                       |                 |



IFW16

RAW SEQUENCE LISTING

DATE: 10/08/2004

PATENT APPLICATION: US/09/993,234B

TIME: 18:04:36

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\10082004\I993234B.raw

# SEQUENCE LISTING

|            |          | Sagomen arbitie                                     |
|------------|----------|---|
| 6          | (1) GENE | RAL INFORMATION:                                    |
| 8          | (i)      | APPLICANT: Ashkenazi, Avi J.                        |
| 10         | (ii)     | TITLE OF INVENTION: Apo-2 LI AND Apo-3 POLYPEPTIDES |
| 12         | (iii)    | NUMBER OF SEQUENCES: 28                             |
| 14         | (iv)     | CORRESPONDENCE ADDRESS:                             |
| 15         |          | (A) ADDRESSEE: Genentech, Inc.                      |
| 16         |          | (B) STREET: 1 DNA Way                               |
| 17         |          | (C) CITY: South San Francisco                       |
| 18         |          | (D) STATE: California                               |
| 19         | •        | (E) COUNTRY: USA                                    |
| 20         |          | (F) ZIP: 94080                                      |
| 22         | (v)      | COMPUTER READABLE FORM:                             |
| 23         |          | (A) MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk      |
| 24         |          | (B) COMPUTER: IBM PC compatible                     |
| 25         | ·        | (C) OPERATING SYSTEM: PC-DOS/MS-DOS                 |
| 26         |          | (D) SOFTWARE: WinPatin (Genentech)                  |
| 28         | (vi)     | CURRENT APPLICATION DATA:                           |
| C> 29      |          | (A) APPLICATION NUMBER: US/09/993,234B              |
| C> 30      |          | (B) FILING DATE: 19-Nov-2001                        |
| 31         |          | (C) CLASSIFICATION:                                 |
| 41         | (vii)    | PRIOR APPLICATION DATA:                             |
| 34         |          | (A) APPLICATION NUMBER: 08/828683                   |
| 35         |          | (B) FILING DATE: 31-MAR-1997                        |
| 38         |          | (A) APPLICATION NUMBER: 08/625328                   |
| 39         |          | (B) FILING DATE: 1-Apr-1996                         |
| 42         |          | (A) APPLICATION NUMBER: 08/710802                   |
| 43         |          | (B) FILING DATE: 23-Sep-1996                        |
| <b>4</b> 5 | (viii)   | ATTORNEY/AGENT INFORMATION:                         |
| 46         |          | (A) NAME: Marschang, Diane L.                       |
| 47         |          | (B) REGISTRATION NUMBER: 35,600                     |
| 48         |          | (C) REFERENCE/DOCKET NUMBER: P1007P1D1              |
| 50         | (ix)     | TELECOMMUNICATION INFORMATION:                      |
| 51         |          | (A) TELEPHONE: 650/225-5416                         |
| 52         |          | (B) TELEFAX: 650/952-9881                           |
| 53         | (2) INFO | RMATION FOR SEQ ID NO: 1:                           |
| 55         | •        | SEQUENCE CHARACTERISTICS:                           |
| 56         |          | (A) LENGTH: 181 amino acids                         |
| 57         |          | (B) TYPE: Amino Acid                                |
| 58         |          | (D) TOPOLOGY: Linear                                |
| 60         | (xi)     | SEQUENCE DESCRIPTION: SEQ ID NO: 1:                 |
| 62         | •        | Gln Arg Pro Arg Gly Cys Ala Ala Val Ala Ala Ala Leu |
| 63         | 1        | 5 10 15   |
|            |          |   |

DATE: 10/08/2004

#### RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/993,234B TIME: 18:04:36

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\10082004\I993234B.raw

Leu Leu Val Leu Leu Gly Ala Arq Ala Gln Gly Gly Thr Arq Ser

```
30
66
                      20
                                          25
    Pro Arg Cys Asp Cys Ala Gly Asp Phe His Lys Lys Ile Gly Leu
68
                                          40
69
                     35
    Phe Cys Cys Arg Gly Cys Pro Ala Gly His Tyr Leu Lys Ala Pro
71
                                                               60
72
                      50
                                          55
    Cys Thr Glu Pro Cys Gly Asn Ser Thr Cys Leu Val Cys Pro Gln
74
                                                               75
75
                      65
                                           70
    Asp Thr Phe Leu Ala Trp Glu Asn His His Asn Ser Glu Cys Ala
77
78
                                          85
    Arg Cys Gln Ala Cys Asp Glu Gln Ala Ser Gln Val Ala Leu Glu
80
                                                              105
                      95
                                          100
81
    Asn Cys Ser Ala Val Ala Asp Thr Arg Cys Gly Cys Lys Pro Gly
83
                     110
                                                              120
                                          115
84
    Trp Phe Val Glu Cys Gln Val Ser Gln Cys Val Ser Ser Ser Pro
86
87
                     125
                                          130
                                                              135
    Phe Tyr Cys Gln Pro Cys Leu Asp Cys Gly Ala Leu His Arg His
89
                                                              150
90
                                          145
    Thr Arg Leu Leu Cys Ser Arg Arg Asp Thr Asp Cys Gly Thr Cys
92
                     155
                                          160
                                                              165
93
    Leu Pro Gly Phe Tyr Glu His Gly Asp Gly Cys Val Ser Cys Pro
95
96
                                          175
                                                              180
                     170
98
    Thr
    (2) INFORMATION FOR SEQ ID NO: 2:
         (i) SEQUENCE CHARACTERISTICS:
103
              (A) LENGTH: 433 base pairs
104
              (B) TYPE: Nucleic Acid
105
              (C) STRANDEDNESS: Single
106
               (D) TOPOLOGY: Linear
107
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
109
     CTGCTGGGGG CCCGGGCCAG NGGCGGCACT CGTAGCCCCA GGTGTGACTG 50
112
114
     TGCCGGTGAC TTCCACAAGA AGATTGGTCT GTTTTGTTGC AGAGGCTGCC 100
     CAGCGGGGCA ACTACCTGAA GGCCCCTTGC ACGGAGCCCT GCGCAACTCC 150
116
     ACCTGCCTTG TGTGTCCCCA AGACACCTTC TTGGCCTGGG AGAACCACCA 200
118
     TAATTCTGAA TGTGCCCGCT GCCAGGCCTG TGATGAGCAG GCCTCCCAGG 250
120
     TGGCGCTGGA GAACTGTTCA GCAGTGGCCG ACACCCGCTG TGGCTGTAAG 300
122
   CAGGGCTGGT TTGTGGAGTG CCAGGGTCÁG CCAATGTGTC AGCAGTTTCA 350
124
    CCCTTCTAAT GCCAACCATG CCTAGACTGC GGGGCCCTGC AACGCAACAC 400
126
    ACGGCTAATN TGTTTCCCGC AGAGATNATT GTT 433
128
130 (2) INFORMATION FOR SEQ ID NO: 3:
         (i) SEQUENCE CHARACTERISTICS:
132
              (A) LENGTH: 28 base pairs
133
              (B) TYPE: Nucleic Acid
134
              (C) STRANDEDNESS: Single
135
              (D) TOPOLOGY: Linear
136
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
138
141
     CCCGCTGCCA GGCCTGTGAT GAGCAGGC 28
143 (2) INFORMATION FOR SEQ ID NO: 4:
1.45
         (i) SEQUENCE CHARACTERISTICS:
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RAW SEQUENCE LISTING DATE: 10/08/2004
PATENT APPLICATION: US/09/993,234B TIME: 18:04:36

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\10082004\I993234B.raw

```
(A) LENGTH: 28 base pairs
146
              (B) TYPE: Nucleic Acid
147
              (C) STRANDEDNESS: Single
148
              (D) TOPOLOGY: Linear
149
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
151
     CAGGGCCCCG CAGTCTAGGC ATGGTTGG 28
154
156 (2) INFORMATION FOR SEQ ID NO: 5:
         (i) SEQUENCE CHARACTERISTICS:
158
              (A) LENGTH: 1438 base pairs
159
              (B) TYPE: Nucleic Acid
160
              (C) STRANDEDNESS: Single
161
              (D) TOPOLOGY: Linear
162
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
164
     GAATTCCGGC GCGGAGGCCG AGAGAGAAGT CACTTGCCCT GGCTCTACCT 50
167
     TGAAGTGGTT CTCAGGGTTG GGGCGAGAGT CGGGGTGGGG ACCGAGATGC 100
169
     AGCTCTATCC TGTGCCCCTG GTCGCAGCAG GCAGCCCAGC GCTTCGCGTG 150
171
     TTCTACTTGG CCTGTCCGCT GCCGCCTAAT GAGCTCAGGT CTAGGCCGAG 200
173
     CAGAGGGGGC ACCTGGTCGG ACTCGGTTGG GCTCGGGCGG CCCCGCCTCC 250
175
     CCCCGCCCGC CAGGCGGCC CTTCTCGACG GCGCGGGGCG GGCCCTGCGG 300
177
     GCGCGGGGCT GAAGGCGGAA CCACGACGGG CAGAGAGCAC GGAGCCGGGA 350
179
     AGCCCCTGGG CGCCCGTCGG AGGGCTATGG AGCAGCGGCC GCGGGGCTGC 400
181
    GCGGCGGTGG CGGCGCCCT CCTCCTGGTG CTGCTGGGGG CCCGGGCCCA 450
183
     GGGCGGCACT CGTAGCCCCA GGTGTGACTG TGCCGGTGAC TTCCACAAGA 500
185
     AGATTGGTCT GTTTTGTTGC AGAGGCTGCC CAGCGGGGCA CTACCTGAAG 550
187
     GCCCCTTGCA CGGAGCCCTG CGGCAACTCC ACCTGCCTTG TGTGTCCCCA 600
189
    AGACACCTTC TTGGCCTGGG AGAACCACCA TAATTCTGAA TGTGCCCGCT 650
191
    GCCAGGCCTG TGATGAGCAG GCCTCCCAGG TGGCGCTGGA GAACTGTTCA 700
193
    GCAGTGGCCG ACACCCGCTG TGGCTGTAAG CCAGGCTGGT TTGTGGAGTG 750
195
     CCAGGTCAGC CAATGTGTCA GCAGTTCACC CTTCTACTGC CAACCATGCC 800
197
     TAGACTGCGG GGCCCTGCAC CGCCACACAC GGCTACTCTG TTCCCGCAGA 850
199
     GATACTGACT GTGGGACCTG CCTGCCTGGC TTCTATGAAC ATGGCGATGG 900
201
     CTGCGTGTCC TGCCCCACGT AATTCCTAGC TGTCGTGGGA TGGAGGGAAG 950
203
     GGCGGCTGGG AGCAGAGCAG GGGCCTGGGG TGGGGCAGGT GCTGCTGGTT 1000
205
     CAGGAATAGG AAGAGGGGAT AGGGAGGAGG GAGCCTTGGC CCTGTGATGG 1050
207
     GTGGGCCCCA CTTCAGGCAA ACTTAGATGG CAAAAGAGCA ATCTGGATCC 1100
209
     GCCTTAGCCA GATACATAAG GGTATTTGCC TTCACTTTCA GCCAGCATTC 1150
211
     CCCCCAGCGA TCCTAGCCAG ATATTACAGA TGATTTGTCA CTTACACAGA 1200
213
     GAGTCACATT GATATAGCTT TAAAACTTGG GCTGAAGGAG GTTGAGGCTG 1250
215
     CAGTGAGCTA TGATCGTGCC ACTGCACTTC AGCCTGGGCA ACAGAGCGAG 1300
217
     ACCTATTAAA TAAATAAATA AATATTAAAT CTATTAAATA TTAAATATTA 1350
219
     AATCTATTAA ATAAATAAAT ACAAAGGGCT GAGAGTCAGG ACTGTGCTGC 1400
221
     TAGTTCTCTA GGGGATCTTG GGCAAGTGCA GAGAATTC 1438
223
    (2) INFORMATION FOR SEQ ID NO: 6:
225
         (i) SEQUENCE CHARACTERISTICS:
227
228
              (A) LENGTH: 417 amino acids
              (B) TYPE: Amino Acid
229
              (D) TOPOLOGY: Linear
230
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
232
    Met Glu Gln Arg Pro Arg Gly Cys Ala Ala Val Ala Ala Ala Leu
234
```

PATENT APPLICATION: US/09/993,234B

DATE: 10/08/2004 TIME: 18:04:36

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\10082004\I993234B.raw

| 235         | 1.    |            |              |          | 5   |              |                      |       |             | 10         |            |          | •     |         | 15         |
|-------------|-------|------------|--------------|----------|-----|--------------|----------------------|-------|-------------|------------|------------|----------|-------|---------|------------|
| 237         | Leu   | Leu        | Val          | Leu      | Leu | Glv          | Ala                  | Arg   | Ala         | Gln        | Gly        | Glv      | Thr   | Arq     | Ser        |
| 238         |       |            |              |          | 20  | 1            |                      | J     |             | 25         | •          |          |       | _       | 30         |
| 240         | Pro   | Ara        | Cys          | Asp      | Cys | Ala          | Gly                  | Asp   | Phe         | His        | Lys        | Lys      | Ile   | Gly     | Leu        |
| 241         |       |            | 1            | •        | 35  |              | •                    | _     |             | 40         | •          | •        |       | -       | 45         |
| 243         | Phe   | Cys        | Cys          | Arq      | Gly | Cys          | Pro                  | Ala   | Gly         | His        | Tyr        | Leu      | Lys   | Ala     | Pro        |
| 244         |       | 1          | •            | ,        | 50  | 1            | •                    |       | •           | 55         | •          |          | -     |         | 60         |
| 246         | Cvs   | Thr        | Glu          | Pro      | Cys | Gly          | Asn                  | Ser   | Thr         | Cys        | Leu        | Val      | Cys   | Pro     | Gln        |
| 247         | •     |            |              |          | 65  | <del>*</del> |                      |       |             | 70         |            |          | _     |         | 75         |
| 249         | Asp   | Thr        | Phe          | Leu      | Ala | Trp          | Glu                  | Asn   | His         | His        | Asn        | Ser      | Glu   | Cys     | Ala        |
| 250         | -     |            | •            |          | 80  | -            |                      |       |             | 85         |            |          |       |         | 90         |
| 252         | Arq   | Cys        | Gln          | Ala      | Cys | Asp          | Glu                  | Gln   | Ala         | Ser        | Gln        | Val      | Ala   | Leu     | Glu        |
| 253         | ~     | _          |              |          | 95  |              |                      |       |             | 100        |            |          |       |         | 105        |
| 255         | Asn   | Cys        | Ser          | Ala      | Val | Ala          | Asp                  | Thr   | Arg         | Cys        | Gly        | Cys      | Lys   | Pro     | Gly        |
| 256         |       |            |              |          | 110 |              |                      |       |             | 115        |            |          |       |         | 120        |
| 258         | Trp   | Phe        | Val          | Glu      | Cys | Gln          | Val                  | Ser   | Gln         | Cys        | Val        | Ser      | Ser   | Ser     | Pro        |
| 259         |       |            |              |          | 125 |              |                      |       |             | 130        |            |          |       |         | 135        |
| 261         | Phe   | Tyr        | Cys          | Gln      | Pro | Cys          | Leu                  | Asp   | Cys         | Gly        | Ala        | Leu      | His   | Arg     | His        |
| 262         |       |            |              |          | 140 |              |                      |       |             | 145        |            |          |       |         | 150        |
| 264         | Thr   | Aṛg        | Leu          | Leu      | Cys | Ser          | Arg                  | Arg   | Asp         | Thr        | Asp        | Cys      | Gly   | Thr     | Cys        |
| 265         |       | •          |              |          | 155 |              |                      |       |             | 160        |            |          |       |         | 165        |
| 26 <b>7</b> | Leu   | Pro        | Gly          | Phe      | Tyr | Glu          | His                  | Gly   | Asp         | Gly        | Cys        | Val      | Ser   | Cys     |            |
| 268         |       |            |              |          | 170 |              |                      |       |             | 175        |            |          |       |         | 180        |
| 270         | Thr   | Ser        | Thr          | Leu      | Gly | Ser          | Cys                  | Pro   | Glu         | Arg        | Cys        | Ala      | Ala   | Val     |            |
| 271         |       |            |              |          | 185 |              |                      |       | •           | 190        |            |          | _ •   |         | 195.       |
| 273         | Gly   | Trp        | Arg          | Gln      |     | Phe          | $\operatorname{Trp}$ | Val   | Gln         |            | Leu        | Leu      | Ala   | Gly     |            |
| 274         | _     |            |              |          | 200 |              | <b>-</b>             |       | _,          | 205        | 1          | _        | 1     | _       | 210        |
| 276         | Val   | Val        | Pro          | Leu      |     | Leu          | Gly                  | Ala   | Thr         |            | Thr        | Tyr      | Thr   | Tyr     |            |
| 277         | '     | _          | _            | _        | 215 | _            | _                    | _     | 7           | 220        | <b>7</b> 7 | <b>3</b> | /<br> | 70 Tl = | 225        |
| 279         | His   | Cys        | Trp          | Pro      |     | Lys          | Pro                  | Leu   | Val         |            | Ala        | Asp      | GIU   | Ата     |            |
| -280        | 3.6   | <b>~</b> 1 | <b>.</b> 7 - | <b>.</b> | 230 | <b>D</b>     | December             | D-1-  | ·<br>3\ 7 _ | 235        | 774 ~      | T 011    | Com   | Dres    | 240        |
| 282         | Met   | GIU        | Ala          | Leu      |     | Pro          | Pro                  | Pro   | Ата         |            | HIS        | Leu      | ser   | PIO     |            |
| 283         | 70    | 0          | 7A T         | TT       | 245 | T 011        | Tan                  | 7 J _ | Dago        | 250<br>Dro | 7 ~~       | Cor      | Cor   | Clu     | 255<br>Lvc |
| 285         | Asp   | ser        | Ala          | HIS      |     | ьeu          | ьeu                  | Ala   | PIO         | 265        | Asp        | ser      | Ser   | Giu     | 270        |
| 286         | т1.   | Crra       | mb w         | 11-1     | 260 | т от         | v-1                  | Clar  | 7) an       |            | Trn        | Thr      | Pro   | Clv     |            |
| 288         | rre   | Cys        | TILL         | vaı      | 275 | ьец          | vai                  | Gly   | ASII        | 280        | тъ         | 1111     | FIO   | Gry     | 285        |
| 289<br>291  | Dro   | C] 11      | Thr          | Cln      |     | NΊ⊃          | Len                  | Cys   | Dro         |            | Val        | Thr      | ጥጕካ   | Seŕ     |            |
| 292         | PIU   | Giu        | 1111         | GLII     | 290 | Ala          | пец                  | Суз   | 110         | 295        | vai        | 1111     | ııp   | DCI     | 300        |
| 294         | Agn   | Gln        | T.011        | Dro      |     | Δτα          | Δla                  | Leu   | Glv         |            | Δla        | Δla      | Δla   | Pro     |            |
| 295         | тэр   | GIII       | ш¢и          | 110      | 305 | My           | 1110                 | ЦСИ   | O. Y        | 310        | 11 0       | 111.0    | 1124  |         | 315        |
| 297         | T.211 | Ser        | Dro          | Glu      |     | Pro          | Δla                  | Gly   | Ser         |            | Δla        | Met      | Met   | Len     |            |
| 298         | Dea   | DCI        |              | Olu      | 320 | 110          | 7110                 | Gr y  | DOI         | 325        | 1120       |          |       |         | 330        |
| 300         | Pro   | Glv        | Pro          | Gln      |     | Τντ          | Asp                  | Val   | Met         |            | Ala        | Val      | Pro   | Ala     |            |
| 301         | 110   | O L Y      | 110          | 0111     | 335 | - 1 -        | 1101                 | ,     |             | 340        |            |          |       |         | 345        |
| 303         | Ara   | Trp        | Lvs          | Glii     |     | Val          | Ara                  | Thr   | Leu         |            | Leu        | Ara      | Glu   | Ala     |            |
| 304         | 5     | 1          | -10          | J_ U     | 350 |              | <b>-</b> 5           |       |             | 355        | _ + -      | 5        |       |         | 360        |
| 306         | Ile   | Glu        | Ala          | Val      |     | Val          | Glu                  | Ile   | Glv         |            | Phe        | Ara      | Asp   | Gln     |            |
| 307         |       | J_ W       |              |          | 365 |              |                      |       | 1           | 370        | _          |          | L     |         | 375        |
|             |       |            |              |          | ~   |              |                      |       |             | _          |            |          |       |         |            |

PATENT APPLICATION: US/09/993,234B

DATE: 10/08/2004 TIME: 18:04:36

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\10082004\I993234B.raw

```
309
     Tyr Glu Met Leu Lys Arg Trp Arg Gln Gln Gln Pro Ala Gly Leu
310
                     380
                                         385
312
     Gly Ala Val Tyr Ala Ala Leu Glu Arg Met Gly Leu Asp Gly Cys
313
                     395
                                         400
    Val Glu Asp Leu Arg Ser Arg Leu Gln Arg Gly Pro
315
316
                     410
                                         415
    (2) INFORMATION FOR SEQ ID NO: 7:
318
         (i) SEQUENCE CHARACTERISTICS:
320
              (A) LENGTH: 27 base pairs
321
              (B) TYPE: Nucleic Acid
322
              (C) STRANDEDNESS: Single
323
              (D) TOPOLOGY: Linear
324
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
326
329
     GGCGCTCTGG TGGCCCTTGC AGAAGCC 27
331 (2) INFORMATION FOR SEQ ID NO: 8:
333
         (i) SEQUENCE CHARACTERISTICS:
334
              (A) LENGTH: 25 base pairs
              (B) TYPE: Nucleic Acid
335
336
              (C) STRANDEDNESS: Single
337
              (D) TOPOLOGY: Linear
339
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
342
     TTCGGCCGAG AAGTTGAGAA ATGTC 25
344 (2) INFORMATION FOR SEQ ID NO: 9:
346
         (i) SEQUENCE CHARACTERISTICS:
347
              (A) LENGTH: 1634 base pairs
              (B) TYPE: Nucleic Acid
348
349
              (C) STRANDEDNESS: Single
350
              (D) TOPOLOGY: Linear
352
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
355
     CGGGCCCTGC GGGCGCGGG CTGAAGGCGG AACCACGACG GGCAGAGAGC 50
     ACGGAGCCGG GAAGCCCCTG GGCGCCCGTC GGAGGGCT
                                                 ATG GAG 94
358
                                                 Met Glu
359
                                                   1
361
     362
     Gln Arg Pro Arg Gly Cys Ala Ala Val Ala Ala Ala Leu
363
                                  10
365
     CTC CTG GTG CTG GGG GCC CGG GCC CAG GGC GGC ACT 172
    Leu Leu Val Leu Leu Gly Ala Arg Ala Gln Gly Gly Thr
366
367
                      20
    CGT AGC CCC AGG TGT GAC TGT GCC GGT GAC TTC CAC AAG 211
369
    Arg Ser Pro Arg Cys Asp Cys Ala Gly Asp Phe His Lys
370
371
          30
    AAG ATT GGT CTG TTT TGT TGC AGA GGC TGC CCA GCG GGG 250
373
374
     Lys Ile Gly Leu Phe Cys Cys Arg Gly Cys Pro Ala Gly
375
                  45
377
     CAC TAC CTG AAG GCC CCT TGC ACG GAG CCC TGC GGC AAC 289
378
    His Tyr Leu Lys Ala Pro Cys Thr Glu Pro Cys Gly Asn
379
      55
                          60
                                              65
    TCC ACC TGC CTT GTG TGT CCC CAA GAC ACC TTC TTG GCC 328
381
```

VERIFICATION SUMMARY

DATE: 10/08/2004

PATENT APPLICATION: US/09/993,234B

TIME: 18:04:37

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\10082004\I993234B.raw

L:29 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]

L:30 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]



IFW16

```
RAW SEQUENCE LISTING
                                                               DATE: 10/07/2004
                                                                TIME: 11:16:55
                     PATENT APPLICATION:
                                           US/09/993,234B
                      Input Set: A:\P1007P1D1seq1 (new)-response to 6-29-04 action.txt
                     Output Set: N:\CRF4\10072004\I993234B.raw
                     SEQUENCE LISTING
      1 Patin Docket Preview
      8 (1) GENERAL INFORMATION:
             (i) APPLICANT: Ashkenazi, Avi J.
     10
            (ii) TITLE OF INVENTION: Apo-2 LI AND Apo-3 POLYPEPTIDES
     12
     14
           (iii) NUMBER OF SEQUENCES: 28
            (iv) CORRESPONDENCE ADDRESS:
     16
                  (A) ADDRESSEE: Genentech, Inc.
     17
                  (B) STREET: 1 DNA Way
     18
                   (C) CITY: South San Francisco
     19
                   (D) STATE: California
     20
     21
                   (E) COUNTRY: USA
     22
                   (F) ZIP: 94080
     24
             (v) COMPUTER READABLE FORM:
     25
                   (A) MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
     26
                  (B) COMPUTER: IBM PC compatible
                   (C) OPERATING SYSTEM: PC-DOS/MS-DOS
     27
                  (D) SOFTWARE: WinPatin (Genentech)
     28
            (vi) CURRENT APPLICATION DATA:
     30
C--> 31
                  (A) APPLICATION NUMBER: US/09/993,234B
C--> 32
                   (B) FILING DATE: 19-Nov-2001
     33
                   (C) CLASSIFICATION:
           (vii) PRIOR APPLICATION DATA:
     43
     36
                  (A) APPLICATION NUMBER: 08/828683
     37
                  (B) FILING DATE: 31-MAR-1997
                  (A) APPLICATION NUMBER: 08/625328
     40
                  (B) FILING DATE: 1-Apr-1996
     41
     44
                  (A) APPLICATION NUMBER: 08/710802
                  (B) FILING DATE: 23-Sep-1996
     45
          (viii) ATTORNEY/AGENT INFORMATION:
     47
                  (A) NAME: Marschang, Diane L.
     48
     49
                  (B) REGISTRATION NUMBER: 35,600
                  (C) REFERENCE/DOCKET NUMBER: P1007P1D1
     50
     52
            (ix) TELECOMMUNICATION INFORMATION:
     53
                  (A) TELEPHONE: 650/225-5416
     54
                  (B) TELEFAX: 650/952-9881
           INFORMATION FOR SEQ ID NO: 1:
     55
     57
             (i) SEQUENCE CHARACTERISTICS:
     58
                  (A) LENGTH: 181 amino acids
     59
                  (B) TYPE: Amino Acid
     60
                  (D) TOPOLOGY: Linear
```

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

Met Glu Gln Arg Pro Arg Gly Cys Ala Ala Val Ala Ala Ala Leu

Corrected Diskette Needer

62

64

DATE: 10/07/2004 PATENT APPLICATION: US/09/993,234B TIME: 11:16:55

Input Set : A:\P1007P1D1seq1 (new)-response to 6-29-04 action.txt Output Set: N:\CRF4\10072004\1993234B.raw

```
65
                                          10
                                                               15
    Leu Leu Val Leu Gly Ala Arg Ala Gln Gly Gly Thr Arg Ser
67
68
    Pro Arg Cys Asp Cys Ala Gly Asp Phe His Lys Lys Ile Gly Leu
70
71
73
    Phe Cys Cys Arg Gly Cys Pro Ala Gly His Tyr Leu Lys Ala Pro
74
                      50
                                                               60
76
    Cys Thr Glu Pro Cys Gly Asn Ser Thr Cys Leu Val Cys Pro Gln
77
                      65
                                          70
                                                               75
    Asp Thr Phe Leu Ala Trp Glu Asn His His Asn Ser Glu Cys Ala
79
80
                      80
                                          85
82
    Arg Cys Gln Ala Cys Asp Glu Gln Ala Ser Gln Val Ala Leu Glu
83
                      95
                                         100
                                                              105
    Asn Cys Ser Ala Val Ala Asp Thr Arg Cys Gly Cys Lys Pro Gly
85
86
                     110
                                         115
                                                              120
    Trp Phe Val Glu Cys Gln Val Ser Gln Cys Val Ser Ser Pro
88
89
                    125
                                         130
                                                              135
91
    Phe Tyr Cys Gln Pro Cys Leu Asp Cys Gly Ala Leu His Arq His
92
                    140
                                         145
    Thr Arg Leu Cys Ser Arg Arg Asp Thr Asp Cys Gly Thr Cys
94
95
                    155
                                         160
                                                              165
    Leu Pro Gly Phe Tyr Glu His Gly Asp Gly Cys Val Ser Cys Pro
98
                    170
                                         175
                                                              180
100
     Thr
103
        INFORMATION FOR SEQ ID NO: 2:
105
         (i) SEQUENCE CHARACTERISTICS:
              (A) LENGTH: 433 base pairs
106
              (B) TYPE: Nucleic Acid
107
108
              (C) STRANDEDNESS: Single
109
               (D) TOPOLOGY: Linear
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
111
     CTGCTGGGGG CCCGGGCCAG NGGCGGCACT CGTAGCCCCA GGTGTGACTG 50
     TGCCGGTGAC TTCCACAAGA AGATTGGTCT GTTTTGTTGC AGAGGCTGCC 100
116
     CAGCGGGCA ACTACCTGAA GGCCCCTTGC ACGGAGCCCT GCGCAACTCC 150
118
120
     ACCTGCCTTG TGTGTCCCCA AGACACCTTC TTGGCCTGGG AGAACCACCA 200
     TAATTCTGAA TGTGCCCGCT GCCAGGCCTG TGATGAGCAG GCCTCCCAGG 250
122
124
     TGGCGCTGGA GAACTGTTCA GCAGTGGCCG ACACCCGCTG TGGCTGTAAG 300
126
    CAGGGCTGGT TTGTGGAGTG CCAGGGTCAG CCAATGTGTC AGCAGTTTCA 350
    CCCTTCTAAT GCCAACCATG CCTAGACTGC GGGGCCCTGC AACGCAACAC 400
128
    ACGGCTAATN TGTTTCCCGC AGAGATNATT GTT 433
130
132 (2) INFORMATION FOR SEQ ID NO: 3:
         (i) SEQUENCE CHARACTERISTICS:
134
135
              (A) LENGTH: 28 base pairs
              (B) TYPE: Nucleic Acid
136
              (C) STRANDEDNESS: Single
137
138
              (D) TOPOLOGY: Linear
140
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
143
     CCCGCTGCCA GGCCTGTGAT GAGCAGGC 28
145 (2) INFORMATION FOR SEQ ID NO: 4:
```

PATENT APPLICATION: US/09/993,234B

DATE: 10/07/2004 TIME: 11:16:55

Input Set: A:\P1007P1D1seq1 (new)-response to 6-29-04 action.txt
Output Set: N:\CRF4\10072004\I993234B.raw

```
(i) SEQUENCE CHARACTERISTICS:
147
               (A) LENGTH: 28 base pairs
148
               (B) TYPE: Nucleic Acid
149
               (C) STRANDEDNESS: Single
150
               (D) TOPOLOGY: Linear
151
         (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
153
156
     CAGGGCCCCG CAGTCTAGGC ATGGTTGG 28
158 (2) INFORMATION FOR SEQ ID NO: 5:
         (i) SEQUENCE CHARACTERISTICS:
160
               (A) LENGTH: 1438 base pairs
161
162
              (B) TYPE: Nucleic Acid
              (C) STRANDEDNESS: Single
163
164
              (D) TOPOLOGY: Linear
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
166
     GAATTCCGGC GCGGAGGCCG AGAGAGAGT CACTTGCCCT GGCTCTACCT 50
169
     TGAAGTGGTT CTCAGGGTTG GGGCGAGAGT CGGGGTGGGG ACCGAGATGC 100
171
     AGCTCTATCC TGTGCCCCTG GTCGCAGCAG GCAGCCCAGC GCTTCGCGTG 150
173
     TTCTACTTGG CCTGTCCGCT GCCGCCTAAT GAGCTCAGGT CTAGGCCGAG 200
175
     CAGAGGGGC ACCTGGTCGG ACTCGGTTGG GCTCGGGCGG CCCCGCCTCC 250
177
     CCCCGCCCGC CAGGCGGCC CTTCTCGACG GCGCGGGGCG GGCCCTGCGG 300
179
     GCGCGGGGCT GAAGGCGGAA CCACGACGGG CAGAGAGCAC GGAGCCGGGA 350
181
     AGCCCCTGGG CGCCCGTCGG AGGGCTATGG AGCAGCGGCC GCGGGGCTGC 400
183
     GCGGCGGTGG CGGCGCCCT CCTCCTGGTG CTGCTGGGGG CCCGGGCCCA 450
185
     GGGCGGCACT CGTAGCCCCA GGTGTGACTG TGCCGGTGAC TTCCACAAGA 500
187
189 AGATTGGTCT GTTTTGTTGC AGAGGCTGCC CAGCGGGGCA CTACCTGAAG 550
     GCCCCTTGCA CGGAGCCCTG CGGCAACTCC ACCTGCCTTG TGTGTCCCCA 600
191
     AGACACCTTC TTGGCCTGGG AGAACCACCA TAATTCTGAA TGTGCCCGCT 650
193
     GCCAGGCCTG TGATGAGCAG GCCTCCCAGG TGGCGCTGGA GAACTGTTCA 700
195
     GCAGTGGCCG ACACCCGCTG TGGCTGTAAG CCAGGCTGGT TTGTGGAGTG 750
197
     CCAGGTCAGC CAATGTGTCA GCAGTTCACC CTTCTACTGC CAACCATGCC 800
199
     TAGACTGCGG GGCCCTGCAC CGCCACACAC GGCTACTCTG TTCCCGCAGA 850
201
     GATACTGACT GTGGGACCTG CCTGCCTGGC TTCTATGAAC ATGGCGATGG 900
     CTGCGTGTCC TGCCCCACGT AATTCCTAGC TGTCGTGGGA TGGAGGGAAG 950
205
     GGCGGCTGGG AGCAGAGCAG GGGCCTGGGG TGGGGCAGGT GCTGCTGGTT 1000
207
     CAGGAATAGG AAGAGGGGAT AGGGAGGAGG GAGCCTTGGC CCTGTGATGG 1050
209
     GTGGGCCCCA CTTCAGGCAA ACTTAGATGG CAAAAGAGCA ATCTGGATCC 1100
211
     GCCTTAGCCA GATACATAAG GGTATTTGCC TTCACTTTCA GCCAGCATTC 1150
213
     CCCCCAGCGA TCCTAGCCAG ATATTACAGA TGATTTGTCA CTTACACAGA 1200
215
    GAGTCACATT GATATAGCTT TAAAACTTGG GCTGAAGGAG GTTGAGGCTG 1250
217
     CAGTGAGCTA TGATCGTGCC ACTGCACTTC AGCCTGGGCA ACAGAGCGAG 1300
219
    ACCTATTAAA TAAATAAATA AATATTAAAT CTATTAAATA TTAAATATTA 1350
221
     AATCTATTAA ATAAATAAAT ACAAAGGGCT GAGAGTCAGG ACTGTGCTGC 1400
223
     TAGTTCTCTA GGGGATCTTG GGCAAGTGCA GAGAATTC 1438
225
227 (2) INFORMATION FOR SEQ ID NO: 6:
         (i) SEQUENCE CHARACTERISTICS:
229
230
              (A) LENGTH: 417 amino acids
231
              (B) TYPE: Amino Acid
232
              (D) TOPOLOGY: Linear
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
234
```

PATENT APPLICATION: US/09/993,234B

DATE: 10/07/2004 TIME: 11:16:55

Input Set: A:\P1007P1D1seq1 (new)-response to 6-29-04 action.txt Output Set: N:\CRF4\10072004\I993234B.raw

| 236<br>237         | Met<br>1    |            | Gln         | Arg        | Pro<br>5  |                      | Gly   | Cys  | Ala  |             |              | Ala      | Ala          | Ala    |           |
|--------------------|-------------|------------|-------------|------------|-----------|----------------------|-------|------|------|-------------|--------------|----------|--------------|--------|-----------|
| 239                |             | •          | Val         | Leu        |           |                      | Ala   | Arg  | Ala  | 10<br>Gln   |              | Gly      | Thr          | Arg    | 15<br>Ser |
| 240                | _           | _          |             |            | 20        |                      |       |      |      | 25          |              |          |              |        | 30        |
| 242<br>243         | Pro         | Arg        | Cys         | Asp        | Cys<br>35 | Ala                  | Gly   | Asp  | Phe  | His<br>40   |              | Lys      | Ile          | Gly    | Leu<br>45 |
| 245                | Phe         | Cys        | Cys         | Arq        |           | Cys                  | Pro   | Ala  | Gly  |             |              | Léu      | Lvs          | Ala    |           |
| 246                |             |            | _           | _          | 50        | •                    |       |      | 4    | 55          |              |          | -1-          |        | 60        |
| 248                | Cys         | Thr        | Glu         | Pro        | Cys       | Gly                  | Asn   | Ser  | Thr  | Cys         | Leu          | Val      | Cys          | Pro    | ,         |
| 249                |             |            |             |            | 65        |                      |       |      |      | 70          |              |          |              |        | 75        |
| 251                | Asp         | Thr        | Phe         | Leu        |           | Trp                  | Gľu   | Asn  | His  | His         | Asn          | Ser      | Glu          | Cys    | Ala       |
| 252                |             | <b>a</b>   | <b>~</b> 1  |            | 80        | _                    | a. 7  |      | _    | 85          |              |          |              |        | 90        |
| 254                | Arg         | Cys        | GIn         | Ala        |           | Asp                  | Glu   | Gln  | Ala  |             | Gln          | Val      | Ala          | Leu    |           |
| 255<br>25 <b>7</b> | Nan         | Cara       | Cox         | 77 7       | 95        | 71 A                 | 7     | m}   | 7    | 100         | <b>~</b> 1   | <b>a</b> | _            | -      | 105       |
| 258                | ASII        | Cys        | ser         | AIA        | 110       | Ата                  | Asp   | Thr  | Arg  |             |              | Cys      | Lys          | Pro    | _         |
| 260                | Trn         | Phe        | Val         | Glu        |           | Gln                  | Va 1  | Sar  | Gln  | 115         | -            | Cor      | Cox          | Cor    | 120       |
| 261                |             | 2 220      | V 44.1      |            | 125       | 0111                 | val   | DCI  | GIII | 130         | vaı          | per      | ser          | ser    | 135       |
| 263                | Phe         | Tyr        | Cys         | Gln        |           | Cvs                  | Leu   | Asp  | Cys  |             | Ala          | Leu      | His          | Ara    |           |
| 264                |             |            | •           |            | 140       | 1                    |       |      | -1   | 145         |              | 204      | *****        | **** 9 | 150       |
| 266                | Thr         | Arg        | Leu         | Leu        | Cys       | Ser                  | Arg   | Arg  | Asp  | Thr         | Asp          | Cys      | Gly          | Thr    |           |
| 267                |             |            |             |            | 155       |                      |       |      |      | 160         |              |          |              |        | 165       |
| 269                | Leu         | Pro        | Gly         | Phe        | Tyr       | Glu                  | His   | Gly  | Asp  | Gly         | Cys          | Val      | Ser          | Cys    | Pro       |
| 270                | _•          |            |             |            | 170       |                      |       |      |      | 175         |              |          |              |        | 180       |
| 272                | Thr         | Ser        | Thr         | Leu        |           | $\operatorname{Ser}$ | Cys   | Pro  | Glu  |             | Cys          | Ala      | Ala          | Val    | Cys       |
| 273                | <b>017.</b> | Ш          | 7           | <b>G</b> 3 | 185       | <b>51</b>            |       |      | ~ 7  | 190         | _            |          | _            | _      | 195       |
| 275<br>276         | GIY         | Trp        | Arg         | GIn        |           | Pne                  | Trp   | Val  | Gln  |             | Leu          | Leu      | Ala          | Gly    |           |
| 278                | Val         | Val        | Dro         | T.211      | 200       | T.O.I.               | Clar  | 7.7. | Thr  | 205         | mh a         | Ш        |              | m      | 210       |
| 279                | VUI         | Vai        | 110         |            | 215       | neu                  | Gry   | Ala  | 1111 | 220         | 1111         | ığı      | THE          | Tyr    | _         |
| 281                | His         | Cvs        | Trp         | `          |           | Lvs                  | Pro   | Leu  | Val  |             | Δla          | Asn      | Glu          | Δla    | 225       |
| 282                |             | 1          |             |            | 230       | -1-                  |       |      |      | 235         |              | 1101     | GIU          | MIG    | 240       |
| 284                | Met         | Glu        | Ala         | Leu        | Thr       | Pro                  | Pro   | Pro  | Ala  |             | His          | Leu      | Ser          | Pro    |           |
| 285                |             |            |             |            | 245       |                      |       |      |      | 250         |              |          |              |        | 255       |
| 287                | Asp         | Ser        | Ala         | His        | Thr       | Leu                  | Leu   | Ala  | Pro  | Pro         | Asp          | Ser      | Ser          | Glu    | Lys       |
| 288                | _           |            |             |            | 260       |                      |       |      |      | 265         |              | -        |              |        | 270       |
| 290                | Ile         | Cys        | Thr         | Val        |           | Leu                  | Val   | Gly  | Asn  | Ser         | Trp          | Thr      | Pro          | Gly    | Tyr       |
| 291                | D           | <b>0</b> 1 | ml.         | ~1         | 275       | - 7                  | _     | _    | _    | 280         |              |          |              |        | 285       |
| 293<br>294         | Pro         | GIU        | Thr         | GIn        |           | Ala                  | Leu   | Cys  | Pro  |             | Val          | Thr      | Trp          | Ser    | Trp       |
| 296                | Acn         | Gln        | LOU         | Dro        | 290       | 7. ~~~               | 777 - | т о  | Q1'  | 295<br>Date | <b>7.7</b> _ | 20.7     | 3.7          |        | 300       |
| 297                | дор         | GIII       | <b>m</b> eu | PIO        | 305       | Arg                  | Ala   | ьeu  | Gly  |             | Ala          | Ala      | Ala          | Pro    | Thr       |
| 299                | Leu         | Ser        | Pro         | Glu        |           | Pro                  | Δla   | Glv  | Ser  | 310<br>Pro  | λla          | Mat      | Mot          | T 011  | 315       |
| 300                |             | 001        | 110         | OLU        | 320       |                      | AΙα   | Gry  | 261  | 325         | Ата          | Mec      | Mec          | ьец    | 330       |
| 302                | Pro         | Gly        | Pro         | Gln        |           | Tvr                  | Asp   | Val  | Met  |             | Ala          | Val      | Pro          | Δla    |           |
| 303                |             | *          |             |            | 335       | 1 -                  |       |      |      | 340         |              |          |              |        | 345       |
| 305                | Arg         | Trp        | Lys         | Glu        |           | Val                  | Arq   | Thr  | Leu  |             | Leu          | Ara      | Glu          | Ala    |           |
| 306                |             | -          |             |            | 350       |                      | _     |      |      | 355         | _            | J        | <del>-</del> |        | 360       |
| 308                | Ile         | Glu        | Ala         | Val        | Glu       | Val                  | Glu   | Ile  | Gly  | Arg         | Phe          | Arg      | Asp          | Gln    |           |
|                    |             |            |             |            |           |                      |       |      | _    | -           |              | -        |              |        |           |

PATENT APPLICATION: US/09/993,234B TIME:

DATE: 10/07/2004 TIME: 11:16:55

Input Set: A:\P1007P1D1seq1 (new)-response to 6-29-04 action.txt
Output Set: N:\CRF4\10072004\I993234B.raw

```
309
                      365
                                           370
                                                                375
     Tyr Glu Met Leu Lys Arg Trp Arg Gln Gln Gln Pro Ala Gly Leu
311
312
                      380
                                           385
                                                               390
     Gly Ala Val Tyr Ala Ala Leu Glu Arg Met Gly Leu Asp Gly Cys
314
315
                      395
                                           400
     Val Glu Asp Leu Arg Ser Arg Leu Gln Arg Gly Pro
317
318
                      410
                                           415
320 (2) INFORMATION FOR SEQ ID NO: 7:
          (i) SEQUENCE CHARACTERISTICS:
322
323
               (A) LENGTH: 27 base pairs
324
               (B) TYPE: Nucleic Acid
               (C) STRANDEDNESS: Single
325
               (D) TOPOLOGY: Linear
326
         (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
328
     GGCGCTCTGG TGGCCCTTGC AGAAGCC 27
331
333 (2) INFORMATION FOR SEQ ID NO: 8:
          (i) SEQUENCE CHARACTERISTICS:
335
336
               (A) LENGTH: 25 base pairs
337
               (B) TYPE: Nucleic Acid
               (C) STRANDEDNESS: Single
338
339
               (D) TOPOLOGY: Linear
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
341
     TTCGGCCGAG AAGTTGAGAA ATGTC 25
344
        INFORMATION FOR SEQ ID NO: 9:
346
348
          (i) SEQUENCE CHARACTERISTICS:
349
               (A) LENGTH: 1634 base pairs
350
              (B) TYPE: Nucleic Acid
              (C) STRANDEDNESS: Single
351
352
              (D) TOPOLOGY: Linear
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
354
     CGGGCCCTGC GGGCGCGGG CTGAAGGCGG AACCACGACG GGCAGAGAGC 50
357
     ACGGAGCCGG GAAGCCCCTG GGCGCCCGTC GGAGGGCT
                                                  ATG GAG 94
360
                                                  Met Glu
361
                                                     1
     CAG CGG CCG GGC TGC GCG GCG GCG GCG GCG CTC 133
363
     Gln Arg Pro Arg Gly Cys Ala Ala Val Ala Ala Leu
364
365
                                   10
     CTC CTG GTG CTG GGG GCC CGG GCC CAG GGC GGC ACT 172
367
     Leu Leu Val Leu Leu Gly Ala Arg Ala Gln Gly Gly Thr
368
369
                      20
     CGT AGC CCC AGG TGT GAC TGT GCC GGT GAC TTC CAC AAG 211
371
     Arg Ser Pro Arg Cys Asp Cys Ala Gly Asp Phe His Lys
372
373
          30
     AAG ATT GGT CTG TTT TGT TGC AGA GGC TGC CCA GCG GGG 250
375
     Lys Ile Gly Leu Phe Cys Cys Arg Gly Cys Pro Ala Gly
376
377
                  45
                                       50
     CAC TAC CTG AAG GCC CCT TGC ACG GAG CCC TGC GGC AAC 289
379
380
    His Tyr Leu Lys Ala Pro Cys Thr Glu Pro Cys Gly Asn
381
      55
                          60
                                               65
```

VERIFICATION SUMMARY

DATE: 10/07/2004

PATENT APPLICATION: US/09/993,234B

TIME: 11:16:56

Input Set : A:\P1007P1D1seq1 (new)-response to 6-29-04 action.txt

Output Set: N:\CRF4\10072004\I993234B.raw

L:1 M:244 W: Invalid beginning of sequence listing, Line=[Patin Docket Preview], General

Header Line Not Processed!

L:31 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]

L:32 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]